



KOREAN INTELLECTUAL PROPERTY OFFICE

KOREAN PATENT ABSTRACTS

(11)Publication number: 1020000055028 A
 (43)Date of publication of application: 05.09.2000

(21)Application number: 1019990003438
 (22)Date of filing: 02.02.1999
 (30)Priority: ..

(71)Applicant: LG ELECTRONICS INC.
 (72)Inventor: KANG, GI WON
 KIM, BYEONG JIN
 SEO, GANG SU
 YOO, JE YONG

(51)Int. Cl. G11B 20/10

(54) METHOD FOR GENERATING AND RECORDING SEARCH INFORMATION OF RECORDING DIGITAL DATA STREAM

(57) Abstract:

PURPOSE: A method for generating and recording the search information of a recording digital data stream is provided to rapidly and exactly search a recording data stream corresponding to a search request time by reading and using search information for a stream object end time.

CONSTITUTION: An STMAP_GI(Stream Time Map General Information) is composed of an MAPU_SZ (Minimum Mapping Unit Size) field, an MTU_SHFT (Mapping Time Unit Shift) field, an MAPL_ENT_NS (Number of Mapping List Entries) field, an S_S_APAT

(Stream Start APAT) field, an S_E_APAT(Stream End APAT) field, an S_S_PTS(SOB Start PTS) field and an S_E_TIME(SOB End Time). The MAPU_SZ field indicates the size of an SOBU(Stream Object Unit). The MTU_SHFT field indicates a weight value for the unit time of the SOBU. The MAPL_ENT_NS field indicates the quantity of a mapping list. The S_S_APAT field indicates the arrival time of a packet corresponding to the first stream of the SOB. The S_E_APAT field indicates the arrival time of a packet corresponding to the last stream of the SOB. The S_S_PTS field indicates program clock reference information corresponding to an SOB start stream. The S_E_TIME indicates time information for an SOB end time.

| STMAP_GI | | |
|------------------------|-------------------------------------|---------|
| MAPU_SZ | Minimum Mapping Unit Size | 2 Bytes |
| MTU_SHFT | Mapping Time Unit Shift | 1 Bytes |
| S_S_PTS | SOB Start PTS | 1 Byte |
| S_E_TIME (S_O_TIME) | SOB End Time (SOB Duration Time) | 1 Byte |
| MAPL_ENT_NS | Number of Mapping List Entries | 4 Bytes |
| S_S_APAT | Stream Start APAT | 8 Bytes |
| S_E_APAT | Stream End APAT | 8 Bytes |

(a)

| APAT | | |
|------|------------------|---------|
| APAT | Incremental APAT | 2 Bytes |

(b)

COPYRIGHT 2000 KIPO

Legal Status

Date of request for an examination (20040130)
 Notification date of refusal decision (00000000)
 Final disposal of an application (registration)
 Date of final disposal of an application (20060127)
 Patent registration number (1005755340000)

Date of registration (20060425)

Number of opposition against the grant of a patent ()

Date of opposition against the grant of a patent (00000000)

Number of trial against decision to refuse ()

Date of requesting trial against decision to refuse ()